

REMARKS

This Amendment is in response to the Office Action of July 12, 2006 in which claims 35 and 37-39 were rejected. With this Amendment, independent claim 35 has been amended. Reconsideration and allowance of claims 35 and 37-39 is requested.

I. Rejections under 35 USC §102

In the Office Action, claims 35 and 37-39 were rejected under 35 USC § 102(b) as being anticipated by Soykan et al. (U.S. Patent No. 6,206,914). With this Amendment, independent claim 35 has been amended to indicate that the means for analyzing the sensed ventricular signals, sensed atrial signals and coronary sinus blood flow velocity signals provide an output in response to a decrease in blood flow velocity through the coronary sinus followed by an increase in elevation of an ST segment of a waveform derived from at least one of the sensed ventricular signals and sensed atrial signals. Claim 35 is also amended to indicate that the means for delivering therapy is responsive to the output.

The use of the time relationship between a sensed decrease in blood flow velocity followed by an increase in elevation of an ST segment is described by FIG. 8 and in the specification at page 18, lines 7-16. This change in blood flow velocity followed closely by an elevation in the ST segment indicates that a thrombus is likely occluded a coronary artery and an impending myocardial infarction is likely.

Although Soykan et al. describes a number of different sensing elements and analyses, it does not describe the use of both a blood flow velocity signal from the coronary sinus and detection of an increase in ST elevation in sequence to produce an output that triggers delivery of therapy.

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Serial No. 10/085,072
Art Unit: 3766
Page 5 of 5

The Office Action also referred to Ecker et al. (U.S. Patent No. 5,702,427) which is referred to in Soykan et al. Ecker does not teach or suggest the present invention, as defined in independent claim 35.

With the amendment of independent claim 35, the rejection of claims 35 and 37-39 has been overcome and the application is now in condition for allowance. Notice to that effect is requested.

II. Conclusion

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned attorney to attend to these matters. The Commissioner is authorized to charge any deficiencies and credit any overpayments to Deposit Account No. 13-2546.

Respectfully submitted,

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